

Summary of selected water-quality data from surface-water samples collected from February 1995 through December 2005 as a part of the *Equus* Beds Recharge Project. [mg/L, milligrams per liter; DWA, Drinking Water Advisory; SDWR, Secondary Drinking Water Regulation; MCL, Maximum Contaminant Level; µg/L, micrograms per liter; MCLG, Maximum Contaminant Level Goal]

Compound or Fecal Indicator Bacteria	Analytical Detection Limit	Water-Quality Criteria	Little Arkansas River at Highway 50 near Halstead, KS				Little Arkansas River at Sedgwick, KS			
			Number of samples	Percent detected	Median	Percentage of Surface-Water Samples Exceeding Criteria	Number of samples	Percent detected	Median	Percentage of Surface-Water Samples Exceeding Criteria
Sodium, dissolved (mg/L)	0.05 mg/L	20 mg/L (DWA)	185	100%	83	83%	160	100%	47	71%
Sulfate, dissolved (mg/L)	5 mg/L	250 mg/L (SDWR)	185	98%	42	1%	160	98%	37	0%
Chloride, dissolved (mg/L)	5 mg/L	250 mg/L (SDWR)	186	100%	148	26%	164	98%	67	1%
Nitrite plus Nitrate as Nitrogen, dissolved (mg/L)	0.02 mg/L	10 mg/L (MCL)	152	80%	0.5	0%	152	98%	1.1	0%
Arsenic, dissolved (µg/L)	1 µg/L	10 µg/L (MCL)	81	99%	5.1	9%	83	99%	5.0	8%
Iron, dissolved (µg/L)	5 µg/L	300 µg/L (SDWR)	185	59%	10	1%	160	73%	15	3%
Manganese, dissolved (µg/L)	5 µg/L	50 µg/L (SDWR)	184	85%	77	57%	160	74%	28	39%
Total Coliform Bacteria (cols/100 mL)	1 col/100mL	0 cols/100mL (MCLG)	150	95%	1,500	100%	147	90%	1,800	100%
Fecal Coliform Bacteria (cols/100 mL)	1 col/100mL	200 cols/100 mL <sup>1</sup>	151	99%	460	69%	149	97%	760	68%
Triazine herbicide screen, dissolved (µg/L as Atrazine)	0.1 µg/L	3 µg/L Atrazine as an annual average (MCL)	696	90%	1.1	25%	2,467	98%	2.1	39%
Alachlor (µg/L)	0.0045 µg/L	2 ug/L (MCL)	90	53%	0.05	7%	288	69%	0.2	4%

<sup>1</sup>Primary contact recreation criteria for surface water established by the Kansas Department of Health and Environment